Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Project Division Yelahanka

Project:Improvements to SWD in Ward No.08 Kodigehalli

Est Cost= 99.00Lakhs

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRRB 300-1. **Earthwork excavation** by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.MORTH / Chapter 3(I No-19.1, P No-143)								
	Basic rate	130.00							
	6.00% AW	7.8							
	Sub Total	137.80							
	Loading and unloading with 10km lead=57+2.00x1.28x10 = 82.60	82.60							
	Sub Total	220.40							
	Kodigehalli surrounding Area								
	Main Road	2	332.00	1.20	0.85	677.28			
	Cross Road 1	2	100.00	1.20	0.85	204.00			
	Near Kodigehalli Shmashana								
	Gangamma Temple Rd	1	80.00	1.10	0.85	74.80			
	perpendicular to Gangamma Temple Rd	1	165.00	1.10	0.85	154.28			
	Culverts	4	7.50	1.50	1.00	45.00			
	SWD Desilting	1	257.00	4.00	1.20	1233.60			
						2388.96	**Cum**	**220.40**	**526525.68**
2	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2.(P.No-13,I No-4.2)								
	Basic rate	5194.00							
	6.00% AW	311.64							
	Sub Total	5505.64							
	Kodigehalli surrounding Area								
	Main Road	2	332.00	1.20	0.10	79.68			
	Cross Road 1	2	100.00	1.20	0.10	24.00			
	Near Kodigehalli Shmashana								
	Gangamma Temple Rd	1	80.00	1.10	0.10	8.80			
	perpendicular to Gangamma Temple Rd	1	165.00	1.10	0.10	18.15			
	Culverts	4	7.50	1.50	0.15	6.75			
						137.38	**Cum**	**5505.64**	**756364.82**
3	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(I No-4.28,P No-16)								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Basic rate	258.00							
	6.00% AW	15.48							
	Sub Total	273.48							
	Kodigehalli surrounding Area								
	Main Road	4	332.00		0.15	199.20			
	Cross Road 1	4	100.00		0.15	60.00			
	Near Kodigehalli Shmashana								
	Gangamma Temple Rd	2	80.00		0.15	24.00			
	perpendicular to Gangamma	2	165.00		0.15	49.50			
	Culverts	8	7.50		0.25	15.00			
						347.70	**Sqm**	**273.48**	**95,089.00**
4	KSRB 4-6.4 : Providing and **removing centering, shuttering,** strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(I No-4.31,P No-16)								
	Basic rate	358.00							
	6.00% AW	21.48							
	Sub Total	379.48							
	Kodigehalli surrounding Area								
	Main Road	8	332.00		0.60	1593.60			
	Cross Road 1	8	100.00		0.60	480.00			
	Near Kodigehalli Shmashana								
	Gangamma Temple Rd	4	80.00		0.60	192.00			
	perpendicular to Gangamma Temple Rd	4	165.00		0.60	396.00			
	Culverts	32	7.50		0.60	144.00			
						2805.60	**Sqm**	**379.48**	**1064669.09**
5	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mmand down size graded granite metal coarse aggregates @0.0.69cum and fine aggregtes @ 0.460cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6(I No-4.11,P No-14)								
	Basic rate	5659.00							
	6.00% AW	339.54							
	Sub Total	5998.54							
	Kodigehalli surrounding Area								
	Main Road	2	332.00	0.90	0.15	89.64			
	Cross Road 1	2	100.00	0.90	0.15	27.00			
	Near Kodigehalli Shmashana								
	Gangamma Temple Rd	1	80.00	0.80	0.15	9.60			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	perpendicular to Gangamma Temple Rd	1	165.00	0.80	0.15	19.80			
	Culverts	8	7.50	1.30	0.15	11.70			
	Kodigehalli surrounding Area								
	Main Road	4	332.00	0.15	0.60	119.52			
	Cross Road 1	4	100.00	0.15	0.60	36.00			
	Near Kodigehalli Shmashana								
	Gangamma Temple Rd	2	80.00	0.15	0.60	14.40			
	perpendicular to Gangamma Temple Rd	2	165.00	0.15	0.60	29.70			
	Culverts	12	7.50	0.15	0.75	10.13			
						367.49	**Cum**	**5998.54**	**2204373.47**
6	KSRB 4.9.2 : **Providing T.M.T steel reinforcement** for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3(I No-4.46.2,P No-18)								
	Basic rate	70966.00							
	6.00% AW	4257.96							
	Sub Total	75223.96							
	Consider 50kg/Cum drain	1	345.66	50.00		**17283.00**			
	Consider 80kg/Cum drain	1	21.83	80.00		**1746.00**			
						19.03	**Tn**		
				Qty Ltd to		**19.03**	**Tn**	**75223.96**	**1431436.73**
7	Providing and Fixing **pre cast covering Slab** made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	Data Rate	2111.00							
	For CC Drain Top Covering Slab								
	Kodigehalli surrounding Area								
	Main Road	2	332.00	0.90		597.60			
	Cross Road 1	2	100.00	0.90		180.00			
	Near Kodigehalli Shmashana								
	Gangamma Temple Rd	1	80.00	0.90		72.00			
	perpendicular to Gangamma Temple Rd	1	165.00	0.90		148.50			
						998.10	**Sqm**	**2111.00**	**2106989.10**
8	Providing and Fixing **pre cast covering Slab 250mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge								
	Basic rate	5111.00							
	Culverts	4	7.50	1.20		36.00			
						36.00	**Sqm**	**5111.00**	**183996.00**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
9	A.Total Construction Cost								8369443.90
10	B.Cost towards PMC / Third Party inspection LS=A*2%								167388.88
11	C.Cost towards 12% GST=(A+B)*12%								1024419.93
12	D.Cost towards 3% KRIDL Charges+ 1% CESS=(A*4%)								334778.00
	E.Sub Total=(A+B+C+D)								9896030.71
13	F.Miscellaneous and rounding off								3,969.29
	G.Total =(E+F)								9900000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer
Project Division Yelahanka
BBMP Bangalore

Asst. Executive Engineer,
Project Division Yelahanka
BBMP Bangalore

Executive Engineer,
Project Division Yelahanka
BBMP Bangalore
12/11/18

Administrative Approval

Accorded For RS. 99.00 Lakhs
Head of A/C P-3297
CER NO :16 Dt: 30/11/18

E.E. (Project) 30/11

Technical Sanction

Accorded For RS 99.00 lacs only
Head of A/C P 3297
CER NO CE/107/18-19 Dt: 30.11.18

[TA] CE (YNK)